

APPMA

Australian Packaging and Processing
Machinery Association Limited

ALLIGATOR[®]

A u t o m a t i o n s

INNOVATING PACKAGING TRENDS



Automatic Bagging Solutions | Secondary Packaging Solutions | Palletising Solutions
Intralogistic Conveyor Solutions | Automatic Truck/Container Loading Solutions

About Alligator Automations

Alligator is an engineering company supplying and commissioning turnkey project solutions for various end of line packaging needs in the market. We empower the best technology practices in the industry to drive success through innovation.

At Alligator Automations, our capability lies in our diverse in-house engineering teams, specialising in control, software, design, application, and project management. Over the past 18+ years, we've devoted ourselves to innovation and research, making a mark in end-of-line packaging automation and serving various industries with our solutions.

Global Presence



Industries Served



Agro
Commodities



Seed



Chemical &
Fertilisers



Food &
Beverage



Battery



Petrochemical



Papers



Cement



Oil & Paints



FMCG



E-commerce



Appliances



Automobile



Tyre Industry

Our Products



Automatic Bagging Solutions

Fully automatic high-performance bagging machines for open-mouth and FIBC jumbo bags.



Secondary Packaging Solutions

Automated end-of-line solutions for bag-in-bag, case packing, shrink wrapping, and case erecting.



Palletising Solutions

Versatile palletising solutions with adaptive grippers and vision-enabled control; ideal for bags, boxes, drums, and more.



Intralogistic Conveyor Solutions

Tailored conveyor solutions for tyres, pallets, and mixed product lines, engineered for seamless material flow.



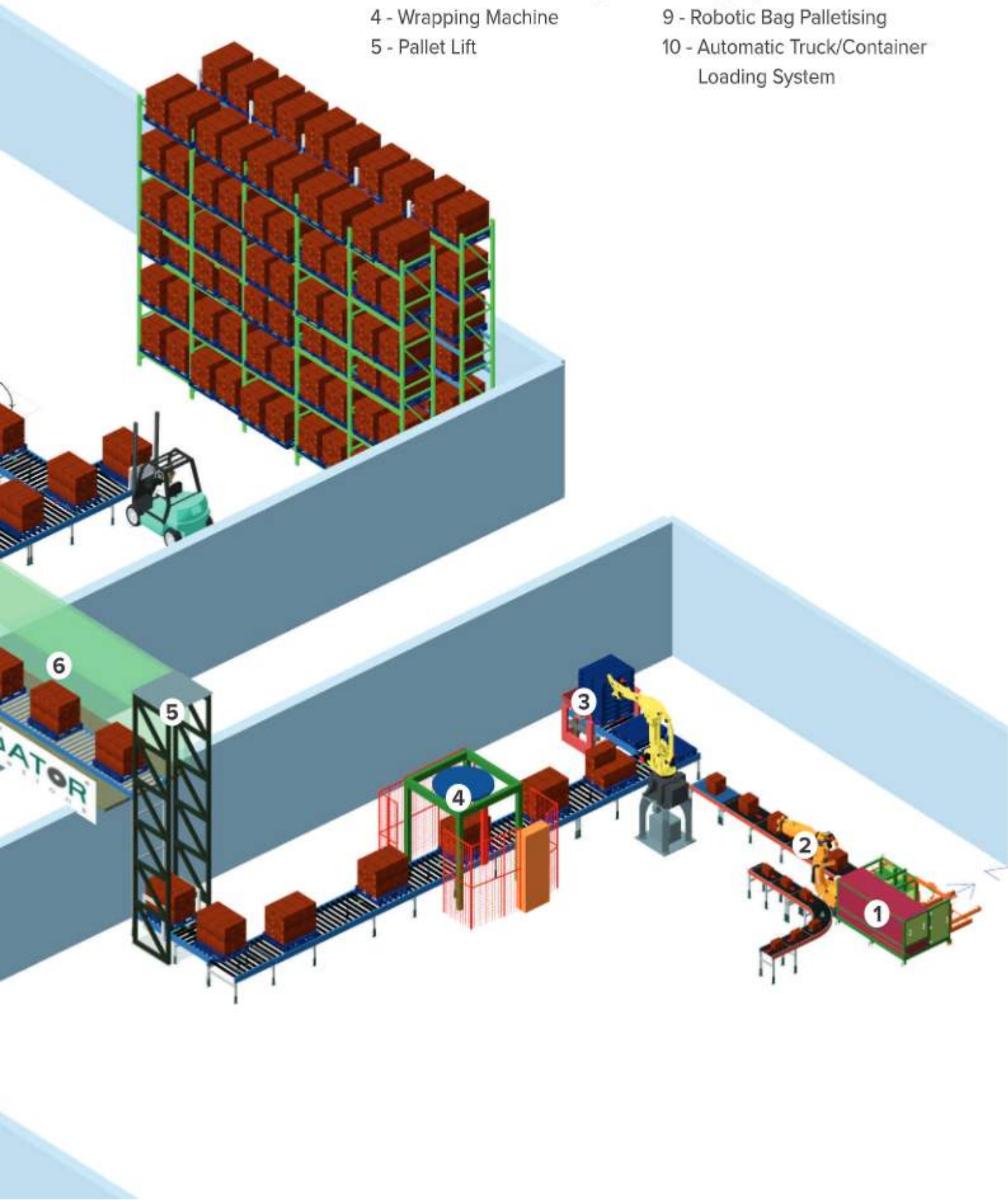
Automatic Truck/Container Loading System

High-speed truck loading systems that cut loading time, reduce labour, and enhance safety and dispatch efficiency.



END OF LINE PACKAGING SOLUTIONS

- | | |
|------------------------------|---|
| 1 - Carton Erector | 6 - Mezzanine |
| 2 - Case Packaging | 7 - RGV's |
| 3 - Robotic Case Palletising | 8 - Bagging Machine |
| 4 - Wrapping Machine | 9 - Robotic Bag Palletising |
| 5 - Pallet Lift | 10 - Automatic Truck/Container Loading System |



Automatic Bagging Solutions

Open-Mouth Filling Systems

Open-Mouth Filling Systems are used to package a wide range of materials and bulk products. In this process, an empty bag is placed under the fill spout and on a weighing scale. Once filled, the bag is released and falls onto the sewing conveyor belt.

Specifications

Filling/Weight: 10-50 kg

Speed: Upto 20 bags/min (depends on the product)

Type of Feeder: Belt, Screw, Vibratory & Gravity

Suitable for: Seeds, Grains & Pulses,
Powders & Granules

Bag Type: Polywoven bag, LDPE, HDPE, Paper bag



Big Bag Filling Solutions

We offer a versatile range of Bulk Bag Fillers, available in semi-automatic and fully automatic options, with capacities ranging from 500kg to 2000kg. Suitable for various project scales and budgets, our Bulk Bag Fillers precisely package dry granular, flakes, or powdered materials.

Specifications

Weight Range: 500-2000 Kg

Speed: Upto 40 bags/hour

Suitable for: Granular, flake, powder, pellet

Bag Type: Bulk bags

Bag Material: Woven/polypropylene



Secondary Packaging Solutions

Bottle Case Packer

Simplified mechanical design with quick changeover, PLC control, and touchscreen HMI. Ensures reliable, high-speed performance and is fully customisable to fit diverse and evolving packaging needs.

Specifications

Speed: Upto 150 bottles/min

Payload: 100 kgs inclusive of Gripper Heads

Product Grippers: Vacuum/Mechanical Gripper

Machine Size: L-2300 mm, W-3200 mm, H-2400 mm

Product Type: Glass bottles, Cups, Cones etc.

Sealing Type: Taping, Gluing.



Bag Case Packer

Efficiently handles multiple recipe sizes in a single setup. Ideal for pouches, cups, candies, bars, and similar products. Fast, flexible, and reliable; perfect for high-output FMCG and food industry packaging lines.

Specifications

Speed: 120 pouch/min

Case Size: Min- 400mm x 300mm x 150mm
Max- 650mm x 450mm x 375mm
*other size ranges are available

Payload: 3kg inclusive of Gripper Heads

Product Type: Pouches, Candies, Bars etc.

Sealing Type: Taping, Gluing, Fast Fold, Fan Fold.



Secondary Packaging Solutions

Case in Case Packaging

A fully enclosed, high-performance packaging solution designed for safety and efficiency. Equipped with polycarbonate doors and integrated safety guarding, the system ensures operator protection. Safety sensors are interlocked with the software, enabling automatic shutdown and alerts in the event of unauthorised access or unsafe conditions.

Specifications

Speed: Upto 25 cases/min

Construction Material: Rigid MS powder-coated tubular frame structure,
Conveyors of SS304 / Aluminium

Machine Size: L: 5770 mm
W: 3200 mm
H: 2400 mm

Sealing Type: Seal/Gluing



Shrink Wrapping

Designed for high-speed, reliable packaging with automatic feeding, pushing, film wrapping, and sealing operations. Ideal for bottles, cans, beverages, cosmetics, and other wide-format consumer products. Ensures fast, flexible, and consistent packaging while maintaining product integrity and presentation.

Specifications

Speed: Upto 20 packs/min

Construction Material: Rigid MS powder-coated Tubular frame structure.

Machine Size: L: 1400 mm
W: 2200 mm
H: 2000 mm

Heating Tunnel: Available



Secondary Packaging Solutions

Carton Erector

Our Compact High-Speed Case Erector is designed for efficient, precise, and continuous case forming in demanding production environments. With a fully cam-operated motion system, it ensures mechanical reliability, minimal maintenance, and smooth operation.

Specifications

Speed: Upto 20 cases/min

Case Size: L: 240-510 mm
W: 190-400 mm
H: 120-380 mm

Machine Size: L: 2400 mm
V: 1250 mm
H: 1850 mm

Machine Weight: Approximate 500 kgs



Features & Benefits of Case Packaging Solution

- Automatic collating and Auto counter system
- Single machine can handle multiple product variants
- Overcome manual and disorderly packaging
- Centralised data logging system
- Auto secondary package handling
- Guarantee 98% uptime for enhanced operating efficiency.

Product Type Handled:



Bag



Bottle



Snacks



Tetra Pack



Cans

Palletising Solutions

Robotic Palletiser

Our robotic palletiser systems automate the stacking of bags, cases, bottles, and more, maximising efficiency and precision. They're flexible for any layout and customisable to your space and product needs, ensuring reliable, safe operations in any warehouse or production line.

Specifications

Payload: 5Kg – 100Kg (Customised)

System Design: Pallet on conveyor &
Pallet on ground

Product Handled: Bags, cases, bottles, shrink packs, buckets, drums, totes, etc

Layout Type: Customised

Type: 1 in/1 out, 2 in/2 out, 3 in/3 out or customised

Product size range: 100mm – 1000mm L,
100mm – 1000mm W,
50mm – 500mm H



Gantry Palletiser

Our gantry palletiser systems provide fast, precise, and quiet stacking for a diverse range of products. With flexible, robust designs, they optimise warehouse and production workflows to fit your space and throughput needs for reliable, automated palletising solutions.

Specifications

Payload: 5Kg – 500Kg

Speed: Customised

Product Handled: Bags, cases, bottles, shrink packs, buckets, drums, totes, etc

Layout Type: Customised

Type: 1 in/1 out, 2 in/2 out or customised

Product size range: 100mm – 1000mm L,
100mm – 1000mm W,
50mm – 500mm H



Palletising Solutions

High Level Palletiser

The High-Level Infeed Palletiser automates the stacking of bags, cases, and shrink packs for fast and reliable end-of-line palletising. Its robust, vertical design and adaptable layout ensure smooth handling of varied products, supporting high throughput, optimal space use, and safe operations - ideal for enhancing productivity in modern warehouses and manufacturing facilities

Specifications

Payload: 5Kg – 200Kg

Speed: 30-60 products/min

Product Handled: Bags, cases, shrink packs, etc

Layout Type: Customised

Type: 1 in/1 out or customised

Product size range: 100mm – 600mm L,
100mm – 600mm W,
50mm – 400mm H



Low Level Palletiser

The Low Level Palletiser automates the stacking of bags, cases, and shrink packs at floor level for efficient end-of-line operations. It handles payloads from 5kg to 200kg, supports up to 40 cases or bags per minute, and offers customisable layouts - delivering reliable, space-saving palletising for varied warehouse and manufacturing needs

Specifications

Payload: 5Kg – 200Kg

Speed: 20-40 products/min

Product Handled: Bags, cases, shrink packs, etc

Layout Type: Customised

Type: 1 in/1 out or customised

Product size range: 100mm – 600mm L,
100mm – 600mm W,
50mm – 400mm H



Palletising Solutions

Hybrid Palletiser

The Hybrid Palletising System by Alligator Automations combines robotic precision with a high-level palletiser featuring a compactor. It handles bags, cases, and shrink packs with payloads from 5kg to 200kg and speeds of 10-20 cases or 20 bags per minute. Customisable and efficient for a wide range of palletising needs.

Specifications

Payload: 5Kg – 200Kg

Speed: 10-20 cases/min
20 bags/min

Product Handled: Bags, cases, shrink packs, etc

Layout Type: Customised

Type: 1 in/1 out or customised

Product size range: 100mm – 600mm L,
100mm – 600mm W,
50mm – 400mm H



Product Type Handled:



Bag Palletising



Box Palletising



Crates Palletising



Bucket Palletising



Bottle Palletising



Blocks Palletising



Gallon Palletising



Tin Palletising



Drum Palletising



Tray Palletising



Tyre Palletising



Solar Panel Palletising



Totes Palletising



Glass Bottle Palletising

Intralogistic Conveyor Solutions

Tyre Handling Solutions

Optimise your Tyre production with our specialized conveyor systems, designed to handle materials from start to finish with efficiency and care. Featuring precision control, our solutions reduce manual operation, minimise waste, and ensure smooth, reliable movement throughout the process.

Specifications

Conveyor Type: Belt, Roller, Modular

Type of Tyres: 2 Wheeler, PCR & TBR Tyres

Load Capacity: 200 kg (Customisable)

Speed (m/min): 10-50m/min

Belt material: Rubber, PVC, Plastic

Sorting System: Yes



Pallet Handling Solutions

Boost throughput with our pallet-handling conveyors, ideal for moving large, heavy products. Alligator Automations delivers safe, cost-effective systems that reduce manual lifting and streamline operations. Work with our engineers to integrate the perfect solution, standalone or fully automated.

Specifications

Load Capacity: 300 - 2000 kg

Speed: Up to 50m/min

Speed: Up to 25m/min

Pallet sizes: 1200 X 1000mm (Customisable)

Conveyor types: Chain Conveyors, Roller Conveyor, Belt Conveyor, Accumulating Roller Chain Conveyors, Popup Conveyors.



Product Handling Solutions

We offer conveyors for cases, bags, bottle buckets, and crates, designed to streamline movement, sorting, and staging in warehouses. With belt, accumulation, and live roller options, our systems adapt to varying space and speed requirements while handling a wide range of product types with ease.

Specifications

Load Capacity: 2 kg to 100 kg

Throughput: Upto 6000 cases/bag/crate per hr

Speed: 70m/min

Material: Steel, Aluminium, Conveyor belt

Product sizes: Min: 30cm x 20cm x 10cm
Max: 60cm x 40cm x 50cm

Product types: Corrugated cardboard boxes, Woven polypropylene bags, Plastic crates.



Product Type Handled



FBR Conveyor



Sorter Conveyor



Pallet Diverter



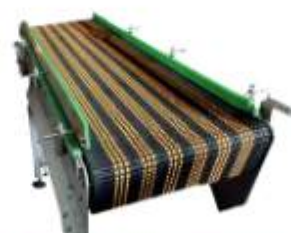
Pop Up Conveyor



Cross Transfer Conveyor



Turn Table Conveyor



Modular Belt Conveyor



Inclined Belt Conveyor



Spiral Conveyors



Shuttle



Roller Conveyor



RGV

Automatic Truck/Container Loading System

Our fully integrated Automatic Truck/Container Loading System is engineered to maximise loading efficiency, minimise human intervention, and elevate dispatch reliability.



Specifications

Load platform size: L: 5 – 10 Mtr, W: 2 – 2.5 Mtr (custom options)
Load Weight: 10 T – 32 T
Loading Time: 2-3 Trucks per hour
Operation Type: Semi-automatic, Fully automatic
Load Plate Flexibility: Automatic height & lateral adjustment
Load preparation: Manual by forklift, Robotic de-palletising, Load tilter, Hybrid load preparation (Various options available as per user requirement)

Features & Benefits

- Fast loading cycle of less than 10 minutes
- Adaptability to different truck types
- IoT-enabled system
- Data integration at different levels
- **Zero Manual Handling** – minimise injury risk
- **Consistent Pallet Placement** every cycle
- **Works with Multiple Dock Heights**
- **70% Reduction** in truck loading time



Pallet Load
Inverter



Buffer Conveyor



Load Plate



Rail Guided
Vehicle



Pallet Load
Turning Unit



Load Pairing
Unit



Lifter for Load
Doubling

Trusted by Leading Global Manufacturers



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